

FORMAX®

FD 415

Cut Sheet Burster

**OPERATOR /
MAINTENANCE MANUAL
FIRST EDITION**

Preface

Thank you very much for your purchase of our CUT SHEET BURSTER

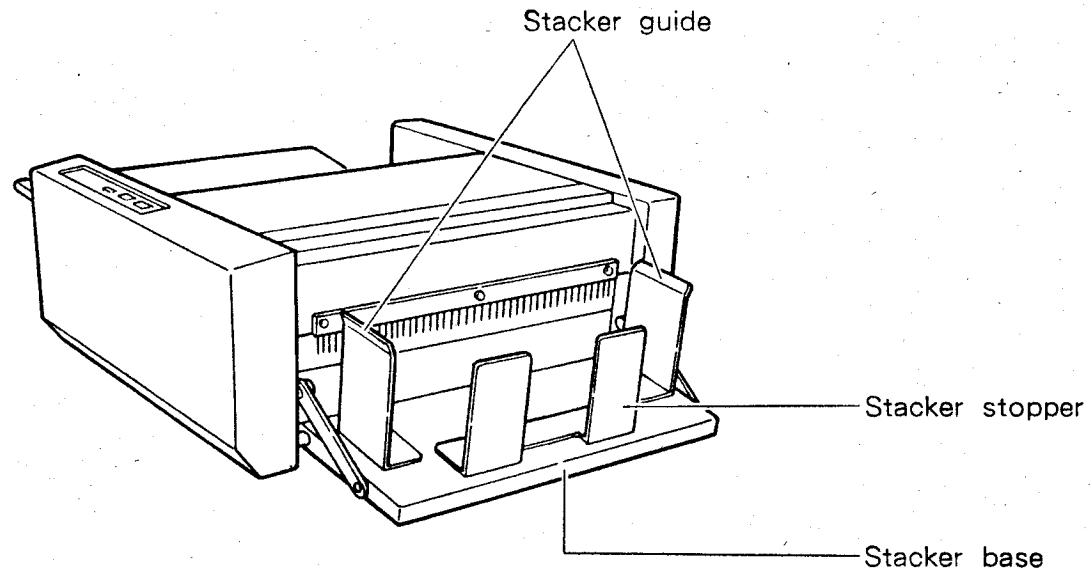
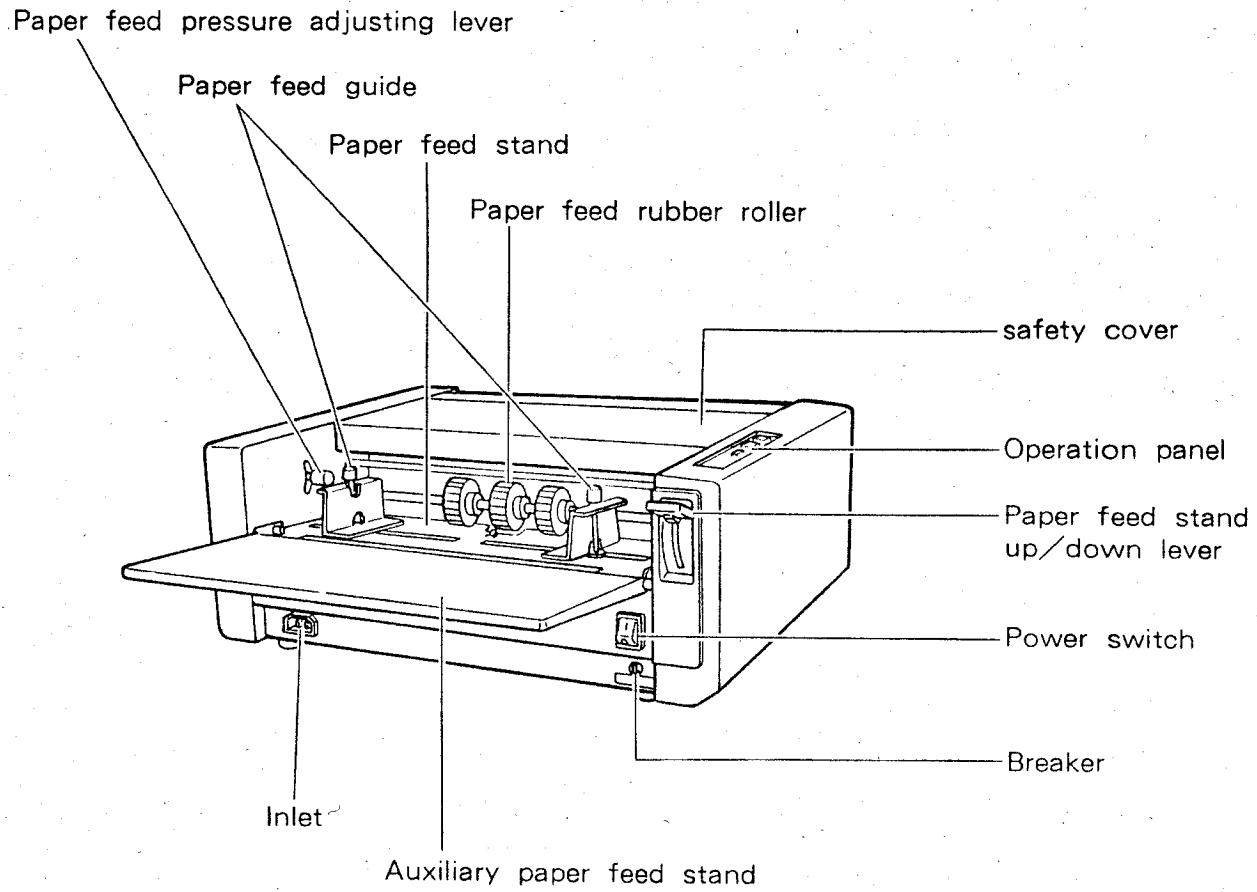
This machine is one of our products developed by our experience and technology in the office apparatuses for a long time.

Please read this operation manual sufficiently and understand how to use this machine before operating the machine.

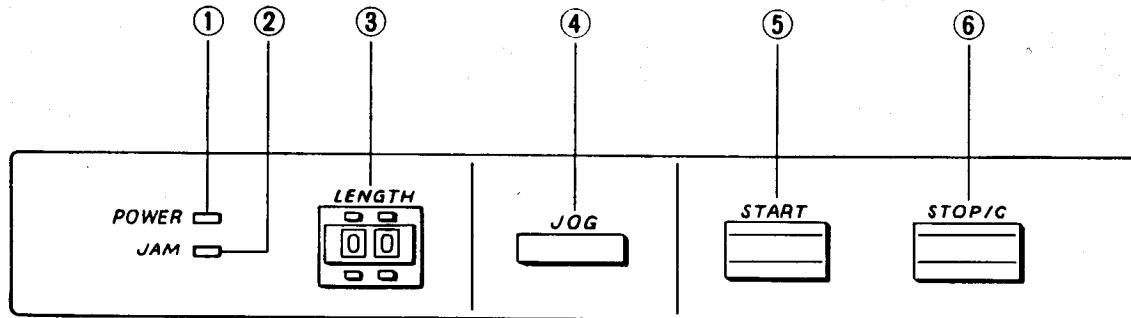
CONTENTS

1. Name of each parts.....	2
2. Name of operation panel part and function.....	3
3. Operation procedure	
3-1 Preparation before operation.....	4
3-2 Start of operation.....	6
4. Advice corner	
4-1 Paper misfeeds.....	8
4-2 Paper jams.....	8
4-3 When breaker activated and machine stopped.....	9
5. Specification and accessories.....	10

1. Name of each part



2. Name of operation panel part and function



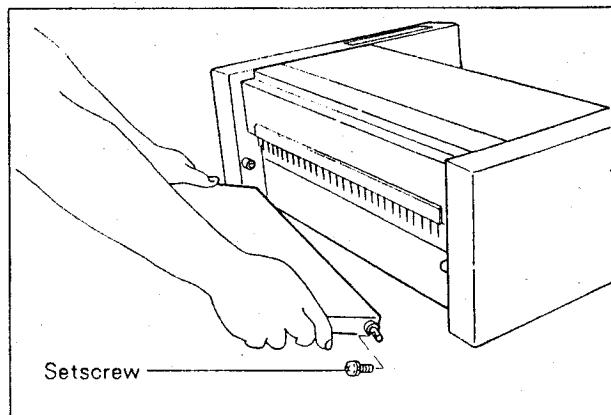
No.	Name	Function
①	Power Indicator	Lights up when power is on.
②	Jam Indicator	Lights up if paper is jammed or is not cut in the machine. When this indicator lights up, the machine will stop operation.
③	Length Switch	Use to set a paper cut size.
④	Jog Button	Press to run the machine at a low speed. Even if the safety cover is opened, the machine will run slowly during which this button is depressed.
⑤	Start Button	Press to start operation. This button is inoperative when the jam indicator is lit.
⑥	Stop/C Button	Press to stop operation. When this button is pressed while the jam indicator is lit, the indicator will be reset.

3. Operation procedure

3-1 Preparation before operation

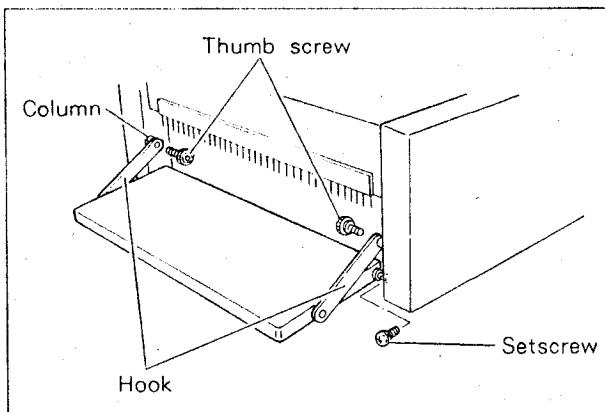
1 Installation of stacker base

Remove a setscrew from the right side of the stacker base, and insert the stand axis into the holes of the machine frame on the both side.



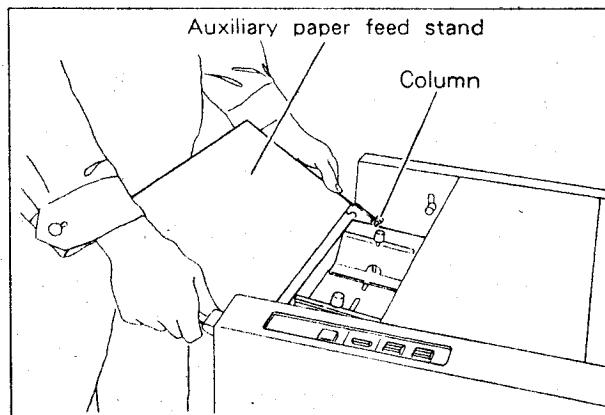
Attach the right and left hooks to the columns, and fit thumb screws into the columns.

Fit the setscrew into the axis.



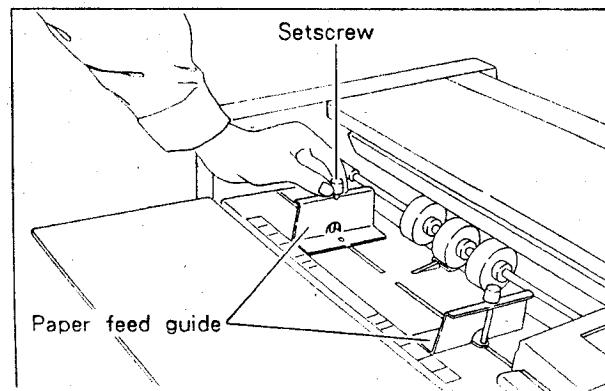
2 Installation of auxiliary paper feed stand

Insert the tip of the auxiliary paper feed stand into the right and left columns of the paper feed part of the main body. Then, set the auxiliary paper feed stand downwards.



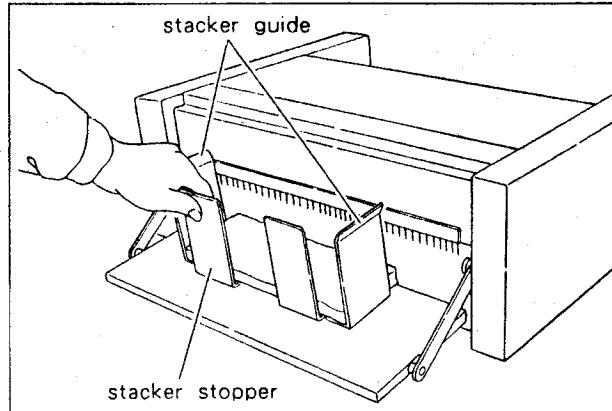
3 Preparation of paper feed stand

Adjust the paper feed guides at both sides to the scale for the paper size.



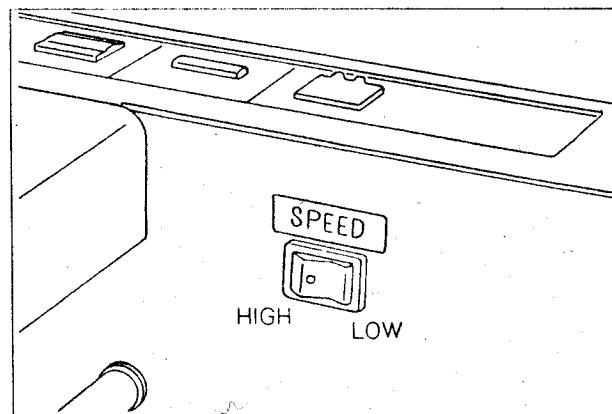
4 Preparation of stacker base

Set the stacker stopper and the stacker guide wider than the cut paper about 3cm.



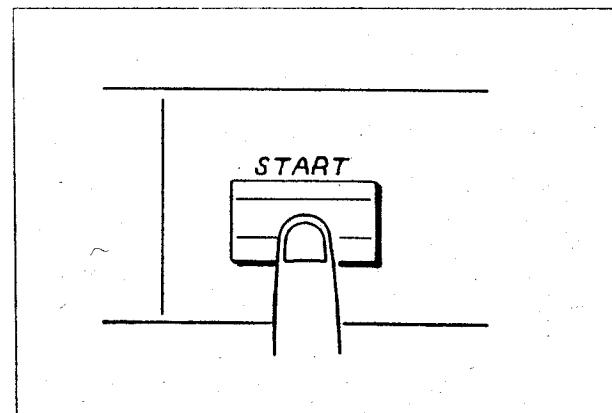
5 Speed selection

Set the speed select switch to LOW when the cut size is less than 5", and to HIGH when the cut size is more than 5".



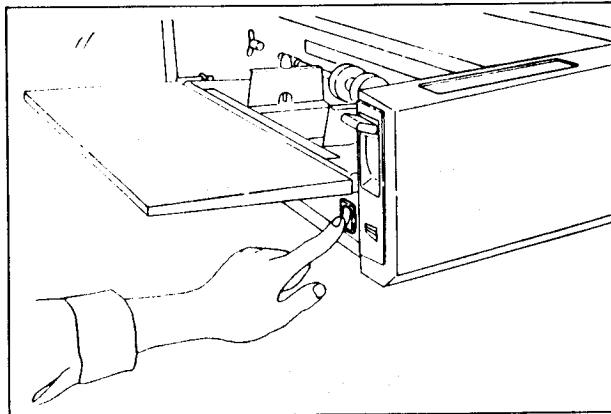
6 Start of operation

Touch the start button and start the operation.

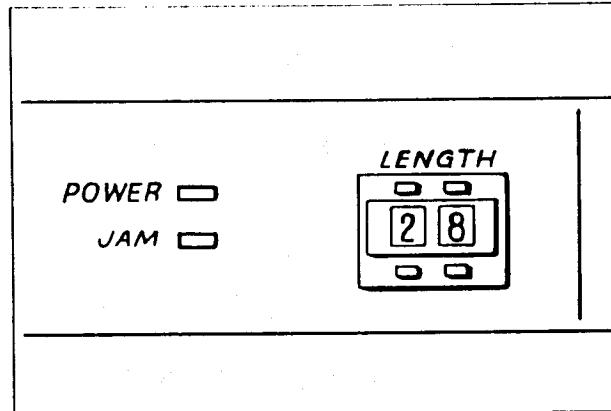


3-2 Start of operation

- 1 Turn on the power supply switch.
Insert the attached power supply cord into the inlet of the main body. Insert the plug of the power supply cord into the electric outlet.
Turn on the power supply switch. Touch the [|] side of the switch.



- 2 Set the length switch according to the paper cut size.
The switch allows adjusting the paper cut size in 0.1".

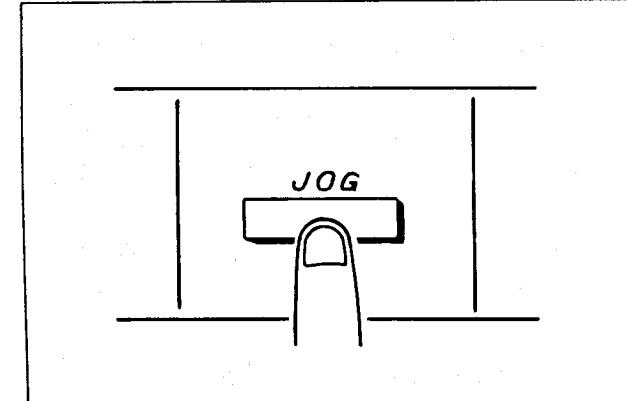


Example:

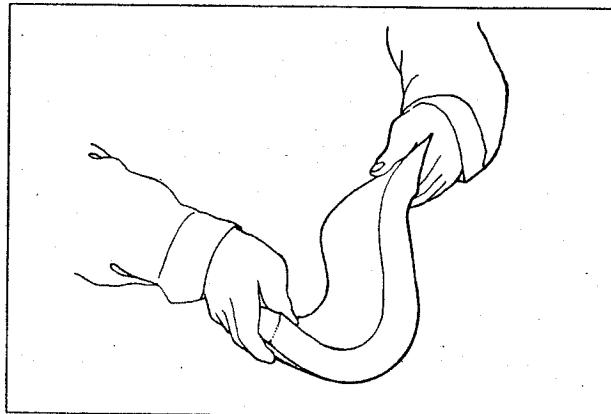
PAPER SIZE	NUMBER OF CUTS	FINISHED SIZE	LENGTH SWITCH
8 1/2" x 11"	4 cuts	8 1/2" x 2 3/4"	2 8
8 1/2" x 11"	3 cuts	8 1/2" x 3 2/3"	3 7
8 1/2" x 11"	2 cuts	8 1/2" x 5 1/2"	5 5
8 1/2" x 14"	2 cuts	8 1/2" x 7"	7 0

- 3 Press the jog button to check for proper cutting.

Paper will be fed at a low speed during which this button is depressed.

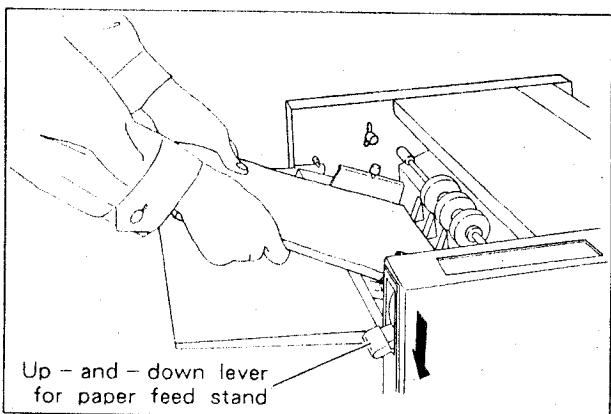


4 Riffle loosen up paper to prevent paper jams or misfeeds.



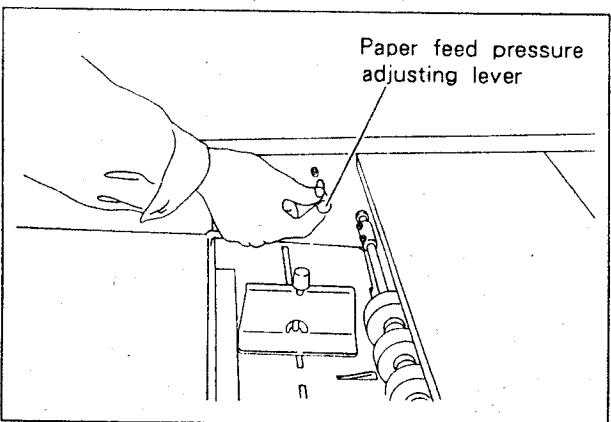
5 Preparation of paper

Lower the up - and - down lever for the paper feed stand and put the paper to be cut on the paper feed stand. Readjust the paper feed guides at both sides without pressing the paper to be cut. Then, tighten the setscrew.

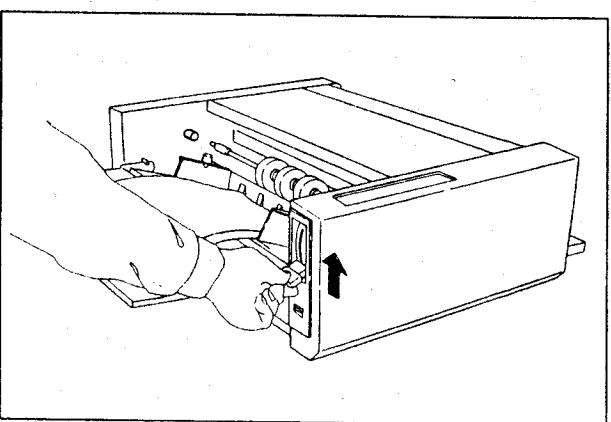


6 Adjustment of paper feed pressure

Adjust the paper feed pressure to the thickness of paper. Usually it is set to the "NORMAL" position.



7 Raise the up - and - down lever for the paper feed stand.



4. Advice corner

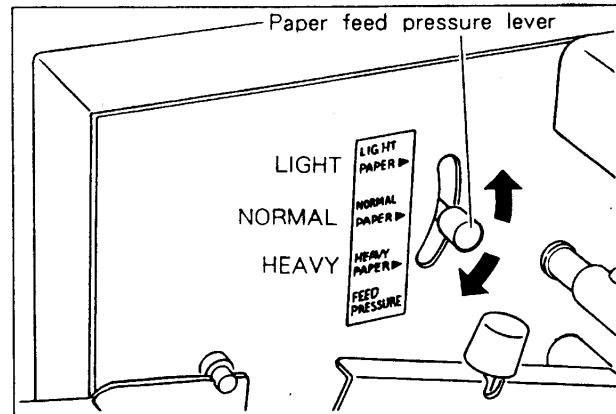
4-1 Paper Misfeeds

When more than one sheet of paper is fed at a time,

set the paper feed pressure lever to the "LIGHT" position.

When no paper is fed, set the paper feed pressure lever to the "HEAVY" position.

Paper feed pressure lever

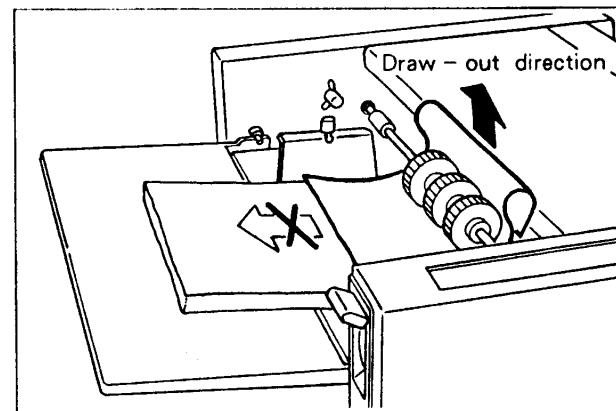


4-2 Paper jams

Paper feed section

[ACTION]

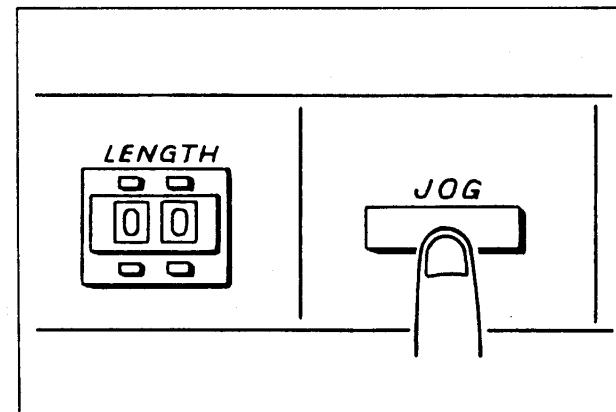
Remove jammed paper.



Paper cut section

When paper is jammed between rubber rollers, proceed as follows :

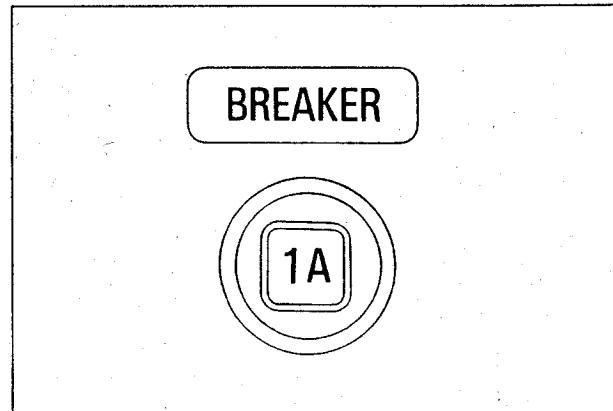
Set the length switch to [00], and then press the jog button to discharge jammed paper.



4-3 When breaker activated and machine stopped :

When the paper jams or when an excessive load is placed on the machine, the breaker functions and the machine stops to assure safety, so take the following measures.

- Press the breaker button after examining the cause thoroughly and confirming safety.
- As the power supply is turned ON again, the operation can resumed.



5. Specification and accessories

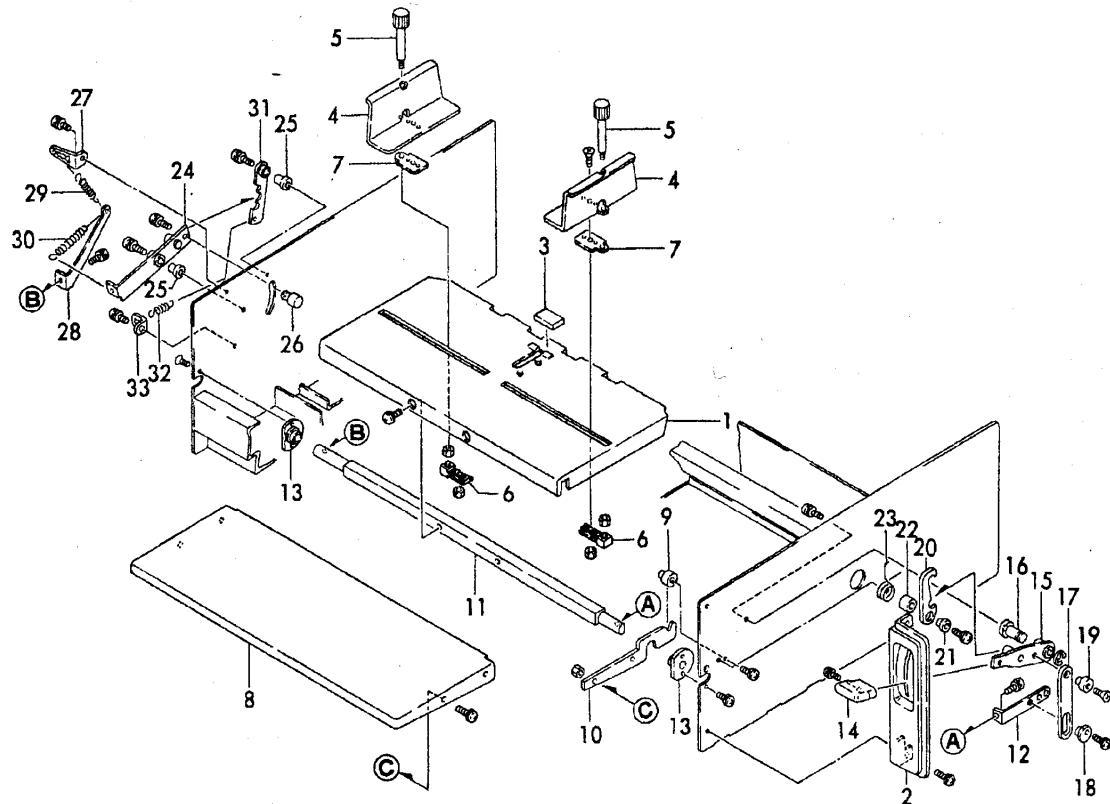
1. Specification

Paper size :	max. 11" × 17" min. 4" × 5"
Paper weight (g/m ²) :	64 – 157
Cut width :	2.5" ~ 9.9" (Adjustable in 0.1")
Cutting method :	Burst
Paper feeding :	Via rubber ring
Feed pressure :	Adjustable (3 positions according to thin, normal, or thick paper)
Tray capacity :	500 sheets for 64 g/m ² high-quality paper
Cutting speed :	HIGH : 140 sheets/min LOW : 90 sheets/min (at sheet with 11")
Stacker :	Drop type
Available functions :	jam detection and automatic stop, Monitor display, Automatic stop at last sheet. Safety cover with interlocking mechanism
Dimensions (mm) :	Machine body : 403 (W) × 482 (D) × 222 (H) Paper receiving stand attached : + 146 (D) Paper feed stand attached : + 185 (D)
Weight :	25kg
Power source :	120V AC, 60Hz
Power consumption :	63W (0.75A)
Operating conditions :	Temperature : 5 ~ 40 Rel. humidity : 20 ~ 80%, no condensation

2. Accessories

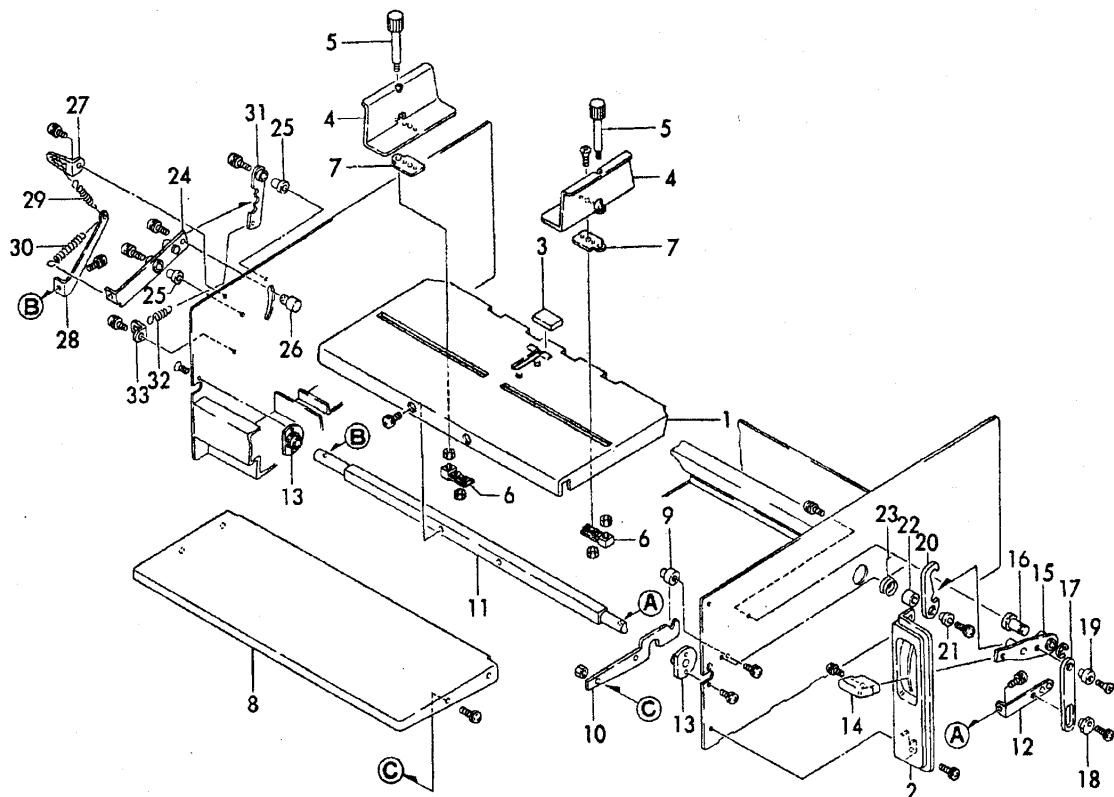
Electric power supply cord	1	Paper receiving guide	2
Auxiliary paper feed plate	1	Paper receiving stopper	1
Paper receiving stand	1	Operation manual	1

Note) The specification and the described items subject to change without notice.



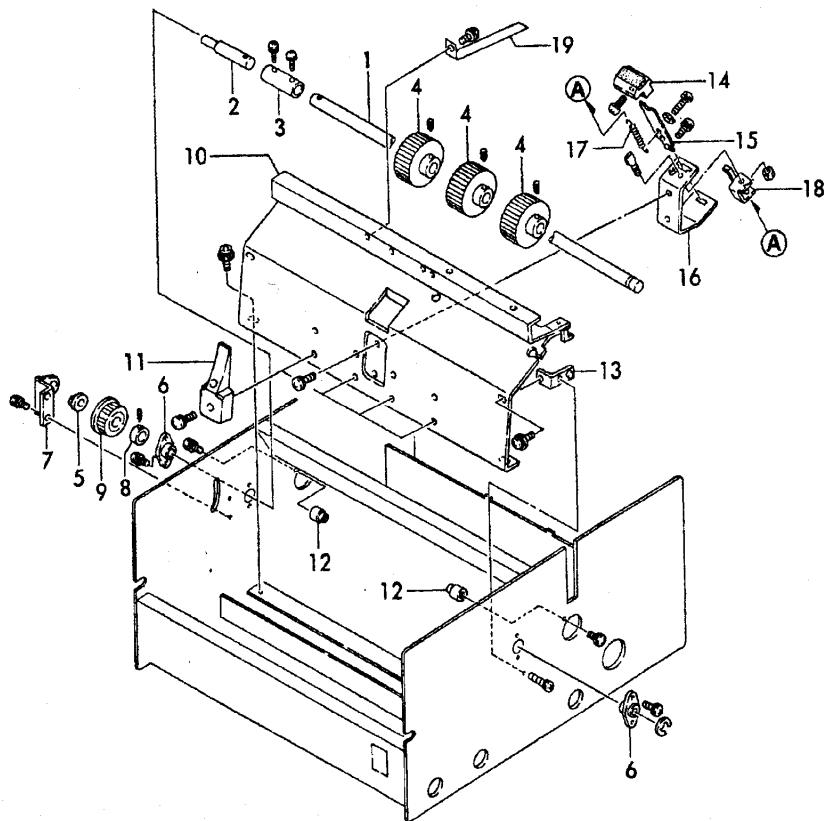
図番 INDEX	部品番号 PARTS No.	部品名称	DESCRIPTION	数量 Q'TY	備考 Remarks
1	J1 - 10020	給紙板 unit	Feeding plate unit	1	
2	G6 - 10720	パネル	Panel	1	
3	26 - 22520	サバキ板	Separator plate	1	
4	G6 - 10070	給紙ガイド	Feed guide	2	
5	72 - 22160	セットネジ	Set screw	2	
6	26 - 21320	ガイド板	Guide plate	2	
7	90 - 27181	スライド板	Slide plate	2	
8	J1 - 10170	給紙補助板	Auxiliary feed plate	1	
9	G6 - 10180	柱	Pillar	2	
10	G6 - 10191	フック	Hook	2	
11	C9 - 22251	支点軸	Fulcrum shaft	1	
12	C9 - 22260	レバー	Lever	1	
13	G6 - 10230	軸受	Bearing	2	
14	G6 - 10260	ツマミ	Knob	1	
15	72 - 22310	給紙レバー unit	Feed lever unit	1	
16	72 - 22360	軸	Shaft	1	
17	C9 - 22360	リンク	Link	1	
18	C9 - 22370	偏心軸	Eccentric shaft	1	
19	Y4 - 08022	Y	Y collar	1	
20	72 - 22420	規制レバー	Lever	1	
21	Z4 - 08022	Z	Z collar	1	
22	72 - 22460	柱	Pillar	1	
23	72 - 22470	バネ To	Spring To	1	
24	G6 - 10481	レバー unit	Lever unit	1	
25	G6 - 10530	軸	Shaft	2	
26	G6 - 10540	ツマミ	Knob	1	
27	52 - 14380	アングル (大)	Angle (Large)	1	

1. I Feeding Mechanism I

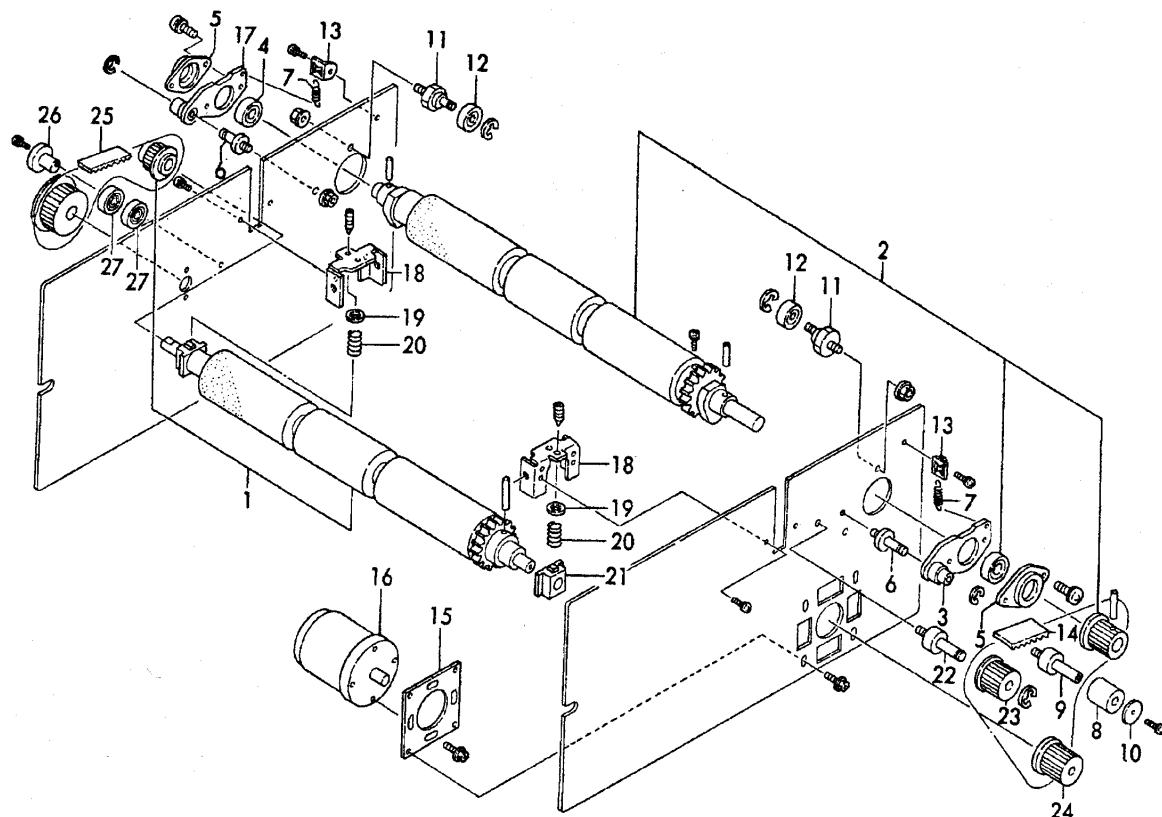


2.

II Feeding Mechanism II



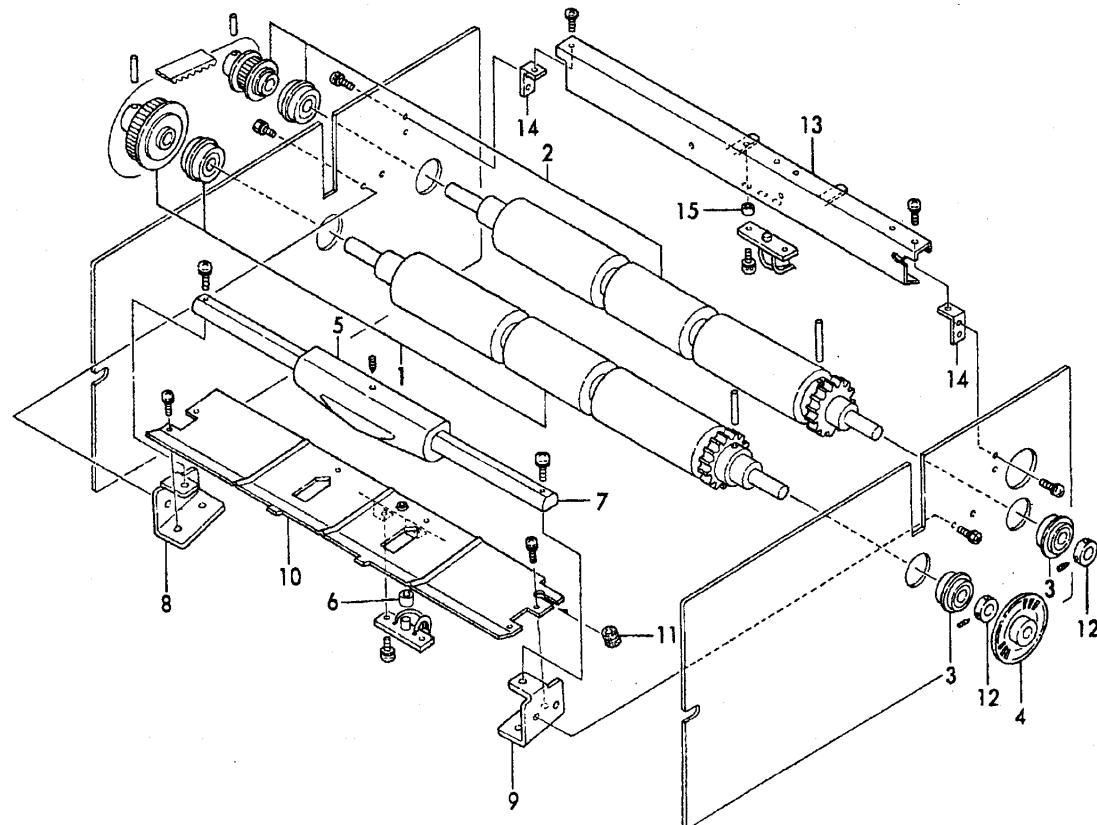
3. I Burst Roller Section I



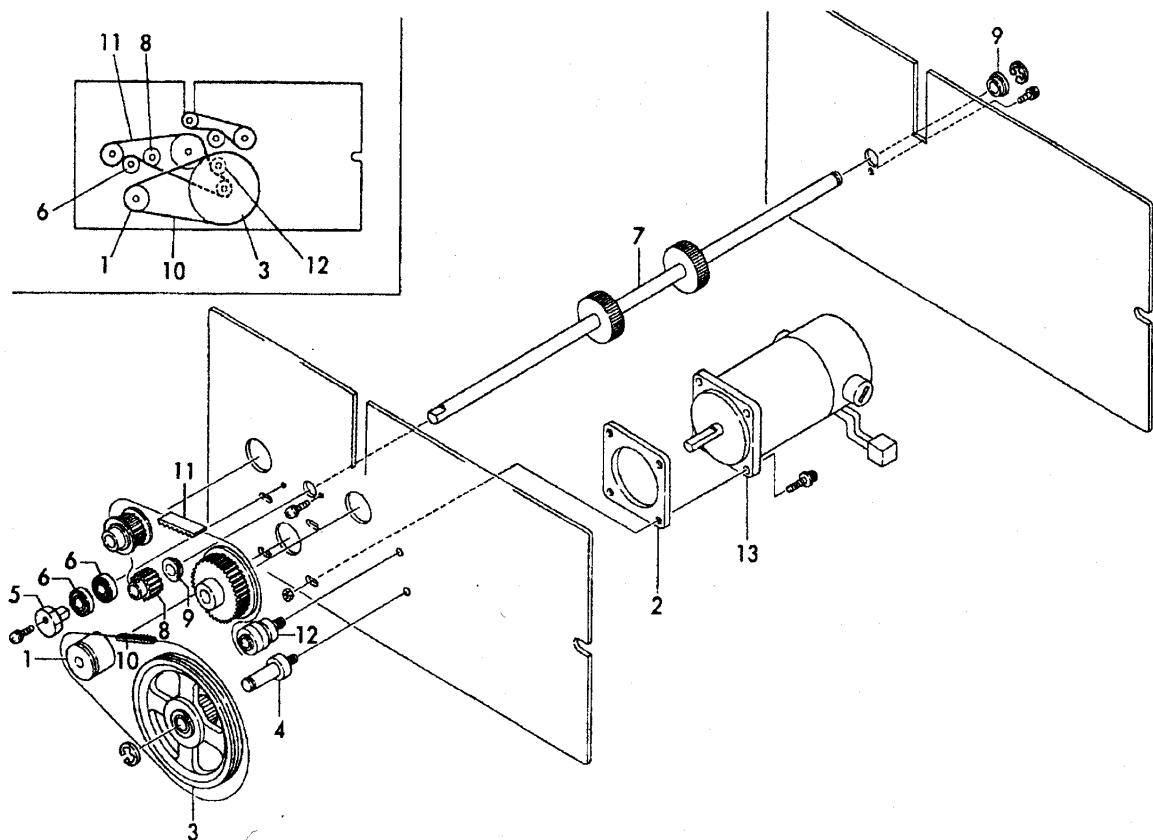
図番 INDEX	部品番号 PARTS No	部品名称 DESCRIPTION	数量 Q'TY		備考 Remarks
			数量 Q'TY	備考 Remarks	
1	J1-20220	ロール Assy 3	1		
2	J1-20330	ロール Assy 4	1		
3	F2-10260	レバー unit R	1		
4		ペアリング 6901ZZ	1		
5	72-11100	フタ	2		
6	F2-10370	軸	2		
7	F2-10380	バネ T	2		
8		ニードルペアリング	1		
9	F2-10461	軸	1		
10	F2-10470	板	1		
11	F2-10491	偏心軸	2		
12	F2-10510	ゴムペアリング	2		
13	52-61290	小アングル	2		
14		タイミングベルト B100S5M255	1		
15	J1-21150	板	1		
16	H5-X1010	ロータリーソレノイド	1		
17	F2-10250	レバー unit L	1		
18	F4-10160	ブラケット	2		
19	D1-10170	座金	2		
20	C3-10700	バネC	2		
21	90-12130	軸受	2		
22	J1-21170	軸	1		
23	J1-21190	テンション unit	1		
24	J1-21240	プーリー unit	1		
25		タイミングベルト B100S5M400	1		
26	F2-40110	偏心軸	1		
27		ペアリング 6900ZZ	2		

4.

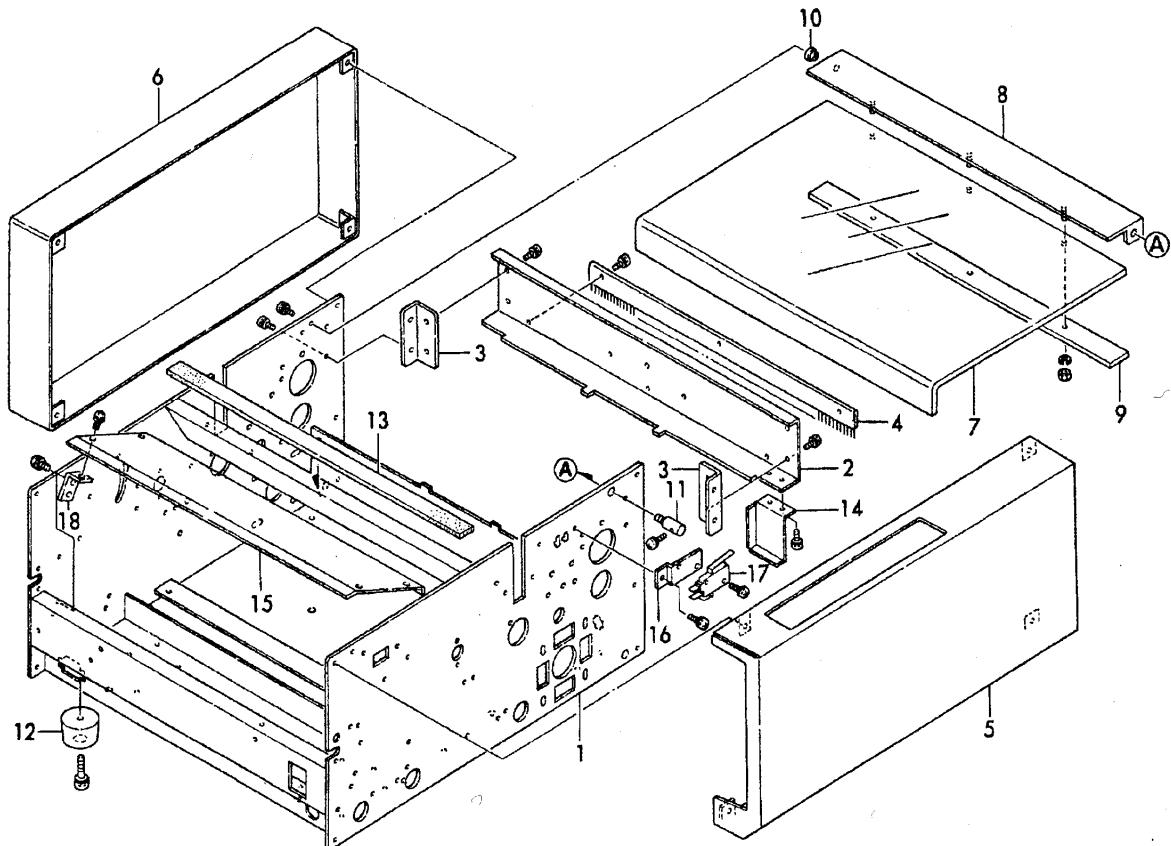
II Burst Roller Section II



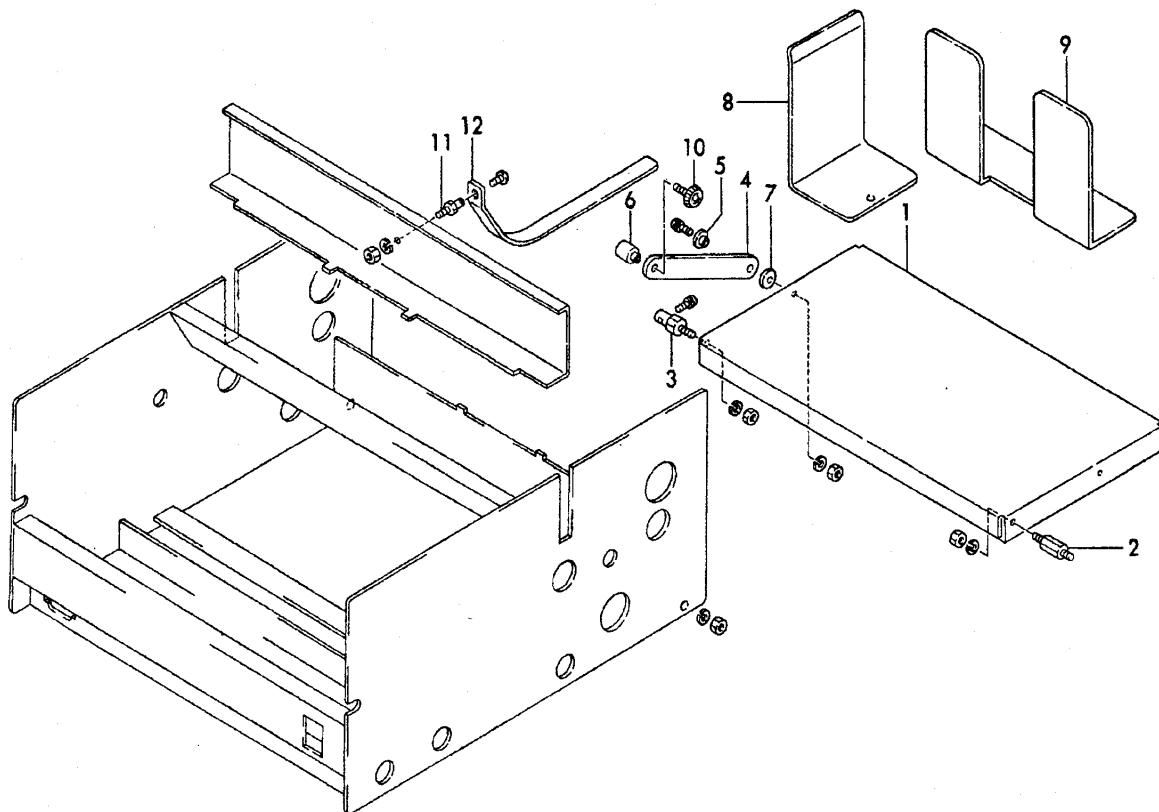
5. Driving Mechanism



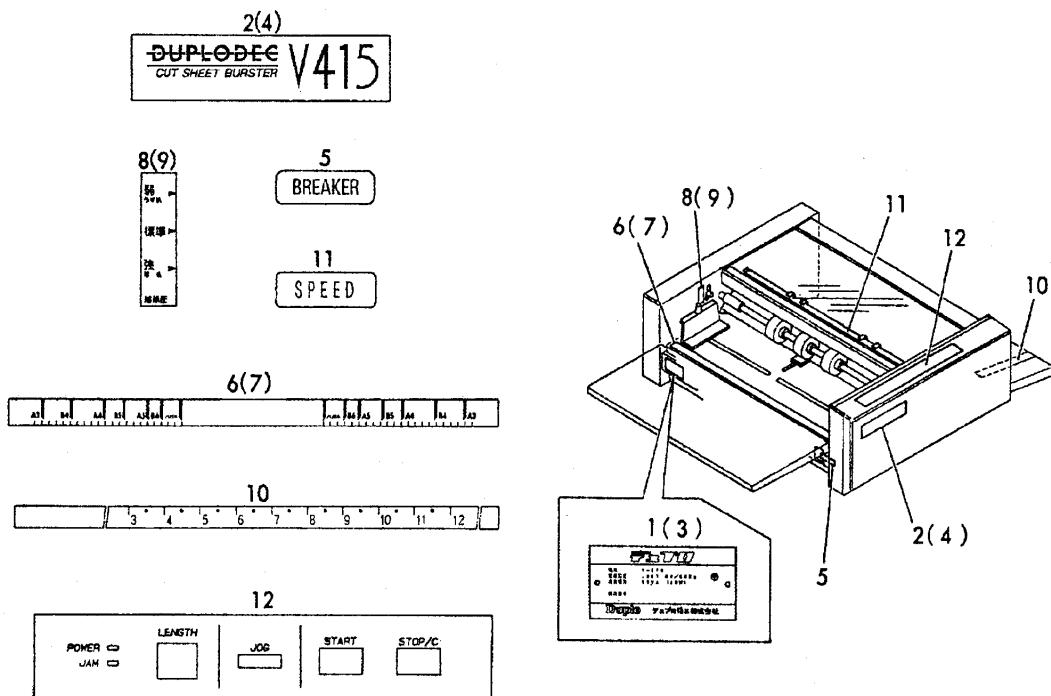
6. Exterior



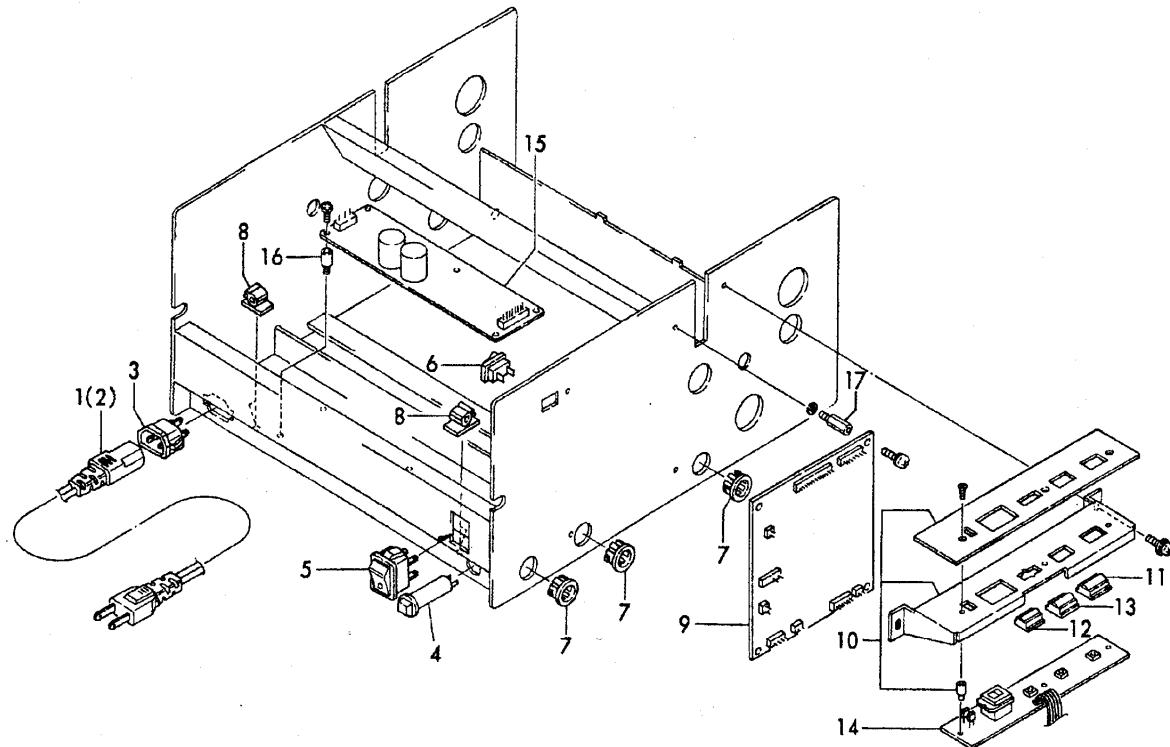
7. Paper Receiving Section



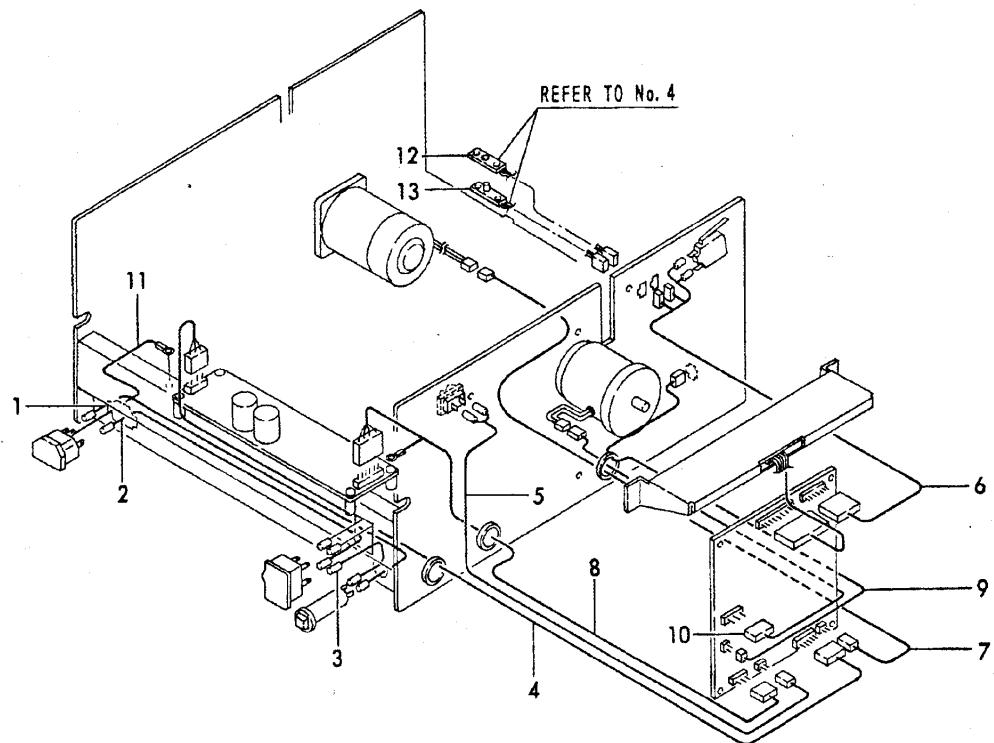
8. Labels



9. I Electric Section I



図番 INDEX	部品番号 PARTS №	部品名称	DESCRIPTION	数量	備考 Remarks
				Q'TY	
1	C6 - 89200	プラグ付電源コード	Power cord	1	
2	E1 - 81070	プラグ付電源コード	Power cord	1	(USA)
3	G4 - 80120	インレット	Inlet	1	
4		ブレーカー NRF110 - 1A	Breaker NRF - 110 - 1A	1	
5	F2 - 80110	波形スナップスイッチ	Power switch	1	
6		波形スナップスイッチ VLA04	Power switch VLA04	1	
7		ブッシング OCB - 750	Bush OCB - 750	3	
8		CKSクランプ CKS - 07 - L	Clamp CKS - 07 - L	4	
9	J1 - V3311	メイン基板ユニット	Main P.W.B. unit	1	
10	J1 - 52021	操作板 unit	Control plate unit	1	
11	E1 - 74371	キートップ	Key top	1	
12	E1 - 74381	キートップ	Key top	1	
13	G4 - 51100	キートップ	Key top	1	
14	J1 - V3211	操作基板ユニット	Control P.W.B. unit	1	
15	J1 - 50052	スイッチング電源 VS100 - 12	Power supply	1	
16	J1 - 50370	スペーサ	Spacer	5	
17	J1 - 50380	スペーサ	Spacer	4	



図番 INDEX	部品番号 PARTS №	部品名称	DESCRIPTION	数量	備考 Remarks
				Q'TY	
1	J1 - W1011	束線ユニット 1	Bundled cable unit - 1	1	
2	J1 - W1021	束線ユニット 2	Bundled cable unit - 2	1	
3	J1 - W1031	束線ユニット 3	Bundled cable unit - 3	1	
4	J1 - W1041	束線ユニット 4	Bundled cable unit - 4	1	
5	J1 - W1061	束線ユニット 6	Bundled cable unit - 6	1	
6	J1 - W1071	束線ユニット 7	Bundled cable unit - 7	1	
7	J1 - W1080	束線ユニット 8	Bundled cable unit - 8	1	
8	J1 - W1091	束線ユニット 9	Bundled cable unit - 9	1	
9	J1 - W1100	束線ユニット 10	Bundled cable unit - 10	1	
10	J1 - W1111	束線ユニット 11	Bundled cable unit - 11	1	
11	G6 - 81091	束線 I unit	Bundled cable unit - I	1	
12	J1 - V3010	発光ユニット	Light emitting unit	1	
13	J1 - V3111	受光ユニット	Photo emitting unit	1	